



## **COMMONWEALTH of VIRGINIA**

### **Department of Health DIVISION OF SHELLFISH SANITATION**

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#### **BROAD AND JACKSON CREEKS GROWING AREA #033 MIDDLESEX COUNTY SHORELINE SANITARY SURVEY**

**Date:** 22 August 2006

**Survey Period:** June 13, 2006 – August 15, 2006

**Total Number of Properties Surveyed:** 818

**Surveyed By:** D.R. Beuchelt

#### **SECTION A: GENERAL**

This survey area begins at Reference Point 34 at Chessie Lane off of Route 677 (Honeysuckle Lane) and ends at Reference Point 35 at Stove Point Neck and includes all properties on the shoreline of the Broad and Jackson Creeks and their tributaries located on the Rappahannock and Piankatank Rivers. The Division of Shellfish Sanitation has drawn the designated boundary.

The topography of the area surveyed begins with an elevation of 5' or less along the shoreline to a maximum of 20' near the western edge of the survey boundary.

The population of Deltaville is approximately 500-800 full time residents. The population can increase to several thousand during the summer months, as it is a well-known vacation spot famous for summertime activities. For Middlesex County, the U.S. Census Bureau reported an increase in population of 14.8 percent from 1990 to 2000. An increase of 5.6 percent in population occurred from April 1, 2000 to July 1, 2005 for the county.

According to VELMA (Virginia's Electronic Labor Market Access) the total civilian labor force for Middlesex in May 2006 was 5,006 with 4,877 employed and 129 unemployed. The average weekly wage in 2005 was \$477. The total number of employees located in the county for 2005 was 3,530 with the largest major industry sector as Health Care and Social Assistance at 15 percent of the employment, followed by Construction with 14 percent, and Retail Trade with 14 percent.

Some of the properties in area 33 are permitted as part-time occupancy only and cannot be inhabited on a full-time basis. (The Middlesex County Health Department has permitted these residences in the area as *Seasonally Conditional Only*, which allows the families to inhabit the residence from June to September only.) According to landowners, some of the properties are not permitted for laundry wastes, as the septic systems installed are not capable of handling the wastewater produced.

Deltaville's website, [www.deltavilleva.com](http://www.deltavilleva.com) states that boating; sailing and fishing are the main recreational activities. In July of each year, a family boat-building workshop is held at the Maritime Museum/Holly Point Nature Park that is located on Jackson Creek. During June of each year the Fishing Bay Yacht Club hosts a Junior Division Race which has grown to about 125 in attendance. In December of each year, a Christmas boat tour is also held on Jackson Creek. The area has many events during the year, which draw large crowds of people. In addition to recreational and historic events, the Zoar Baptist Church holds beach services each Sunday during the summer at the "Pines in the Sand" located at Stingray Point. These are a few of the area activities that occur throughout the year.

Deltaville is located on the "Atlantic Flyway" and accommodates a variety of migrating birds. Seabirds and wildlife are abundant in the area. Deltaville lies between the Rappahannock River to its North and the Piankatank River to its South. Both rivers meet at the tip of east Deltaville and join the Chesapeake Bay.

Meteorological data indicated that 12.14" of precipitation fell during the survey period. A monthly breakdown follows:

June 13-30	5.98"
July 1-31	4.86"
August 1-15	1.30"
Total	12.14"

Found during this survey were 1 STF, (NOTE: four facilities hold permits to upgrade their septic system to a STF), 16 on-site deficiencies, 20 properties marked as potential deficiencies, 7 industrial sites, 2 solid waste sites, 32 boating activity sites, and 1 site marked for animal pollution.

Copies of Bacteriological, Hydrographic and Shellfish Closure data are available at the area office for review. Copies of the current condemnation notices and maps are available via the Internet at <http://www.vdh.virginia.gov/oehs/shellfish/>.

This report lists only those properties that have a sanitary deficiency or have other environmental significance. "**DIRECT**" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent survey of the area. Data in the report is also made available to local health departments and other agencies to address items that may be out of compliance with their regulatory programs.

## SECTION B: SEWAGE POLLUTION SOURCES

### SEWAGE TREATMENT FACILITIES

4. **DIRECT** – Bay Marine, Ltd., 1134 Timberneck Rd., Deltaville 23043. Barry Miller, P.O. Box 943, Deltaville 23043. This plant is a Class II, package wastewater treatment facility with a 5000 gallon holding tank which is used as a flow equalization basin, VPDES Permit #VA0087173 in Middlesex County. The design flow of the treatment facility is .007 MGD. Discharge is from outfall serial number 001 in Broad Creek.

### ON-SITE DEFICIENCIES

8. CONTRIBUTES POLLUTION – Location: 50 Marina Drive, Deltaville 23043. Dwelling – 1 ½ story cream-colored siding with blue shutters and black shingles. No Contact. Lid on the tank and wall on the concrete tank is broken with pieces missing. Sanitary notice issued 6/16/06 to Field # 77. Tax Map # 41 22 1B.
9. ***DIRECT*** - CONTRIBUTES POLLUTION – Location: 970 Timberneck Rd., Deltaville 23043. Dwelling – 1 story bathhouse, gray siding. No Contact. Waste is flowing from an open pipe onto ground surface and draining into Broad Creek ≤ 30' at 4' elevation. Sanitary notice issued 6/16/06 to Field # 77. Tax Map # 41 23 2.
27. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 336 Riverside Drive, Deltaville 23043. Dwelling – 1 story yellow with brown shingles and white trim. No Contact. Lid on grease trap broken. Sanitary notice issued 7/7/06 to Field # 249. Tax Map # 41 49 28A.
34. CONTRIBUTES POLLUTION – Location: 503 Cross Rip Rd., Deltaville 23043. Dwelling – RV-Terry-cream colored with red trim. Lot 8. No Contact. Wastewater discharging from sewer valve onto ground surface. Sanitary Notice issued 7/14/06 to Field # 423. Tax Map # 41 148 to # 41 151.
35. CONTRIBUTES POLLUTION – Location: 503 Cross Rip Rd., Deltaville 23043. Dwelling – RV- Kountry Aire – white with gold trim. Lot 7. No Contact. Sewer valve has a pumping apparatus (FloJet waste pump) connected to the system to pump wastewater to an unknown location via garden hose. No discharge at time of survey. Sanitary notice issued 7/14/06 to Field # 429. Tax Map # 41 148 to # 41 151.
36. CONTRIBUTES POLLUTION – Location: 503 Cross Rip Rd., Deltaville 23043. Dwelling – RV- Catalina Coachman – cream colored with blue and rust trim. Lot 16. No Contact. Hose attached to septic valve allows water into ground surface. NOTE: there are no sewer hookups at the campsites. Sanitary notice issued 7/14/06 to Field # 425. Tax Map # 41 148 to #41 151.
38. CONTRIBUTES POLLUTION – Location: 503 Cross Rip Rd., Deltaville 23043. Dwelling – RV- Mallard Sprinter-cream colored with blue and red trim. Lot 31. No Contact. Sewer hose directly to ground. No discharge at time of survey. Sanitary notice issued 7/14/06 to Field # 430. Tax Map # 41 148 to #41 151.
53. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 124 Norton Lane, Deltaville 23043. Dwelling – 1 ½ story white siding with green shingles and green shutters. No Contact. Lid on grease trap is broken. Sanitary notice issued 7/27/06 to Field # 624. Tax Map # 40 43 3.
54. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 17098 Gen. Puller Highway, Deltaville 23043. Dwelling – 2-½ story white siding with brown shingles and green shutters. No Contact. Grease trap is covered with a green, plastic, dome-type of lid. Sanitary notice issued 8/2/06 to Field # 672. Tax Map # 40 189.

55. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 16848 Gen. Puller Highway, Deltaville 23043. Dwelling – 1-½ story gray siding with red trim and brown shingles. No Contact. Area over grease trap covered with plywood. Sanitary notice issued 8/2/06 to Field # 680. Tax Map # 40 35 2.
56. CONTRIBUTES POLLUTION – Location: 117 Kennard Lane, Deltaville 23043. Dwelling – new construction-2 ½ story blue shingle siding with white trim and light green shingles. No Contact. On 8/8/06, a Port-a-john supplied by Kings Rentals was found unlevelled (strong wind could blow it over) and in need of service. A visit on 8/14/06 found conditions the same along with garbage distributed onto the ground surface. Sanitary notice issued 8/8/06 to Field # 713. Tax Map # 41 224.
58. **DIRECT** - CONTRIBUTES POLLUTION – Location: 256 Kennardstown Rd. Deltaville 23043. Dwelling – bathhouse, 1 story gray. No Contact. Plug and housing on the septic clean out port is broken. The clean out port is located  $\leq$  100' at an elevation of 15' from Jackson Creek. Sanitary notice issued 8/9/06 to Field # 728. Tax Map # 41 231.
63. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 1215 Fishing Bay Rd, Deltaville 23043. Dwelling – 2-½ story white siding with blue shutters. No Contact. Grease trap is covered with a wooden cover. Sanitary notice issued 8/11/06 to Field # 758. Tax Map # 40 49 A.
64. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 1233 Fishing Bay Rd., Deltaville 23043. Dwelling – 1-½ gray siding with white trim and light gray shingles. No Contact. Grease trap is covered with a plywood cover. Sanitary notice issued 8/11/06 to Field # 761. Tax Map # 40 389.
66. **DIRECT** - NO FACILITIES – Location: 1621 Fishing Bay Rd., Deltaville 23043. Dwelling – small, 2 story gray siding with black shingles. No Contact. Sanitary notice issued 8/14/06 to Field # 776. Tax Map # 41 69 - # 41 70.
67. **DIRECT** - CONTRIBUTES POLLUTION – Location: 1254 Stove Point Rd., Deltaville 23043. Dwelling – 1 ½ story, on piers, olive colored siding with white trim and light gray shingles. No Contact. Effluent to ground surface. The affected area is located  $\leq$  100' from Jackson Creek and  $\leq$  75' from the Piankatank River at an elevation of 5'. Sanitary notice issued 8/14/06 to Field # 780. Tax Map # 41 32 3A.

### POTENTIAL POLLUTION

12. Location: 249 Horseshoe Bend Rd., Deltaville 23043. Dwelling – 2-story white siding with light gray shingles, green shutters, green trim and an addition on the rear of the house. A black pipe extends from the addition and runs into ground. No signs of discharge.
16. Location: 18031 Gen. Puller Highway, Deltaville 23043. Dwelling – large yellow steel building and small gray metal building used for boat building and restoration. Property is covered with junk and debris.

26. Location: 419 Riverside Dr., Deltaville 23043. Dwelling – RV-Springdale Travel Trailer-white with blue, aqua and gray trim. Sewer hose runs under ground. No signs of discharge.
28. Location: 260 Pocahontas Ave., Deltaville 23043. Dwelling – 1-story brown siding with brown shingles. Junk and debris covers property.
29. Location: off Pocahontas Ave., Deltaville 23043. Dwelling – slide-on camper. No Contact. Unable to access. Camp area visible from main highway.
30. Location: 87 N. Chesapeake Boulevard, Deltaville 23043. Dwelling – 2-½ story white siding with red metal roof and balcony over porch addition. No Contact. 1 1/2" pipe extends from under house. A smaller pipe lies beside it. No signs of discharge.
32. Location: 503 Cross Rip Rd., Deltaville 23043. Dwelling – RV-Prowler- cream colored with brown trim. Lot 2. Sewer hose is disconnected from the tote-a-long. No discharge present. Sanitary Notice not issued, but an alert was made to the campground manager.
33. Location: 503 Cross Rip Rd., Deltaville 23043. Dwelling – RV-Sunnybrook-white with blue trim. Lot 9. No Contact. Sewer valve covered with plastic bag. No signs of discharge. Sanitary Notice not issued, but an alert was made to the campground manager.
37. Location: 503 Cross Rip Rd., Deltaville 23043. Dwelling – RV-Prowler-cream colored with red and orange trim. Lot 14. No Contact. Sewer hose is disconnected from the tote-a-long. No discharge present. Sanitary Notice not issued, but an alert was made to the campground manager.
39. Location: 503 Cross Rip Rd., Deltaville 23043. Dwelling – RV-Hornet-white with blue trim. Lot 26. No Contact. Black pipe located in rear of RV leads into woods. Pipe not connected to anything at time of survey. Sanitary Notice not issued, but an alert was made to the campground manager.
40. Location: 503 Cross Rip Rd., Deltaville 23043. Dwelling – RV-Prowler-cream colored with red and orange trim. Lot 22. No Contact. Sewer valve covered with brown tarp. No signs of discharge present. Sanitary Notice not issued, but an alert was made to the campground manager.
42. Location: 18210 Gen. Puller Highway, Deltaville 23043. Dwelling – 2 story white siding with green shingles. No Contact. Small, 2 story building, garage and apartment have a 1 1/2" black hose (disconnected), which extends from one side. No signs of discharge or odor.
46. Location: off of Gull Cove Lane, Deltaville 23043. Dwelling – RV-Allegro-Class A-tan with brown trim. No Contact. Electric hooked to unit. Sewer hose is hanging over wooden box housing electric. Unit is self-contained. No signs of discharge or odor.

48. Location: 287 Lovers Lane, Deltaville 23043. Dwelling – 2-½ story yellow shingle siding with multicolored roof shingles. No Contact. Orenco fiberglass lid on access riser is cracked. No signs of Malfunction. Sanitary Notice issued 7/25/06 to Field # 578. Tax Map # 40 39 6.
50. Location: 575 Lovers Lane, Deltaville 23043. Dwelling - 1 ½ story white with gray shingles and black shutters. 2 persons. Owner states after heavy rainfall, rainwater pools on top of ground. No malfunction detected at time of survey.
52. Location: 708 Lovers Lane, Deltaville 23043. Dwelling – 1-½ story yellow siding with white trim and light gray shingles. No Contact. Two pipes of unknown origin to ditch. No discharge at time of survey, however ground erosion supports some type of activity. Sanitary Notice issued 7/26/06 to Field # 611. Tax Map# 40 44 1.
60. Location: 61 Snug Harbor, Deltaville 23043. Dwelling – 1 story white siding with black shutters and metal roof. No Contact. Area over absorption field shows dark grass. No odor or signs of malfunction.
61. Location: 57 Snug Harbor, Deltaville 23043. Dwelling – 1 story, gray with white trim and light gray shingles. Bathhouse. Area over absorption field shows dark grass. No signs of odor or malfunction.
62. Location: 44 Snug Harbor, Deltaville 23043. Dwelling – Octagon shape, 1 story light gray siding with white trim and wooden roof shingles. No Contact. Area over absorption field shows dark grass. No signs of odor or malfunction.
68. Location: 582 Stove Point Rd., Deltaville 23043. Dwelling – 1 story red siding with white trim. Three terra cotta pipes, placed vertical in ground. Origin unknown. No signs of odor or discharge.

## SECTION C: NON-SEWAGE WASTE SITES

### INDUSTRIAL WASTES

3. ***DIRECT*** -Location: 1124 Timberneck Rd., Deltaville 23043. Walden Brothers Marina. Commercial Marina. Mark Plakas, Manager. On-site was 1 x 1000 gallon tank of diesel and 1 x 2000 gallon tank of gasoline at dock.
7. Location: 97 Marina Dr., Deltaville 23043. Norton's Marina, P.O. Box 100, Deltaville 23043. Commercial Marina. Ken Schmalenberger, Manager. On-site was 1 x 2000 gallon tank of gasoline and 1 x 1000 gallon tank of diesel without berms.
13. Location: 17851 Gen. Puller Highway, Deltaville 23043. A & N Service Center, P.O. Box 547, Deltaville 23043. Automotive Repair Center. Willard Norris, Owner. 5 employees. On-site was 1 x 500 gallon used oil tank without berm.

15. Location: 17899 Gen. Puller Highway, Deltaville 23043. Deltaville Auto Sales and Service, P.O. Box 821, Deltaville 23043. Automotive sales and repair center. Jim and Martha Fitzgerald, Owners. 5 employees. On-site was 1 x 250 gallon tank of antifreeze without berm.
21. **DIRECT** - Location: 18355 Gen. Puller Highway, Deltaville 23043. Deltaville Yachting Center, P. O. Box 388, Deltaville 23043. Commercial marina. L. D. Grimm, Manager. On-site was 1 X 2000 gallon unleaded fuel tank without berm < 75' from Broad Creek, and 1 x 250 gallon used oil tank with berm as of July 06 < 500' from Broad Creek.
22. Location: 18691 Gen. Puller Highway, Deltaville 23043. Norview Marina, P.O. Box 219, Deltaville 23043. Commercial marina. Doug Repp, Manager. On-site was 1 x 150 gallon tank of diesel and 1 x 500 gallon tank of used oil, both without berms.
45. Location: 274 Bucksview Lane, Deltaville 23043. Deltaville Marina, P.O. Box 497, Deltaville 23043. Commercial Marina. Keith Ruse, Owner. On-site was 1 x 1000 gallon gasoline and 1 x 2000 gallon diesel, both without berms.

#### **SOLID WASTE DUMPSITES**

14. Location: 42 Recycling Drive, Deltaville 23043. Deltaville Convenience Center, County of Middlesex, owner. Public waste collection and recycling center. 3 employees. On-site were 3 small, used oil barrels, 1 small used antifreeze barrel, 1 solid waste dumpster, paper recycling and aluminum can recycling dumpsters.
15. Location: 17899 Gen. Puller Highway, Deltaville 23043. Deltaville Auto Sales and Service, P.O. Box 821, Deltaville 23043. Automotive sales and repair center. Jim and Martha Fitzgerald, owners. 5 employees. On-site were old cars, old parts and other debris.

#### **SECTION D: BOATING ACTIVITY**

##### **MARINAS**

3. Location: 1124 Timberneck Rd., Deltaville 23043. Walden Brothers Marina. Commercial Marina. Mark Plakas, Manager. Available on-site are 63 seasonal slips/moorings, 6 transient slips/moorings, 15 dry storage spaces, fuel, electricity, water, repair, solid waste containers, restroom, dump station, and sewage holding tank pump out facilities. Facility No. 621.
4. Location: 1134 Timberneck Rd. Deltaville 23043. Bay Marine, P.O. Box 943, Deltaville 23043. Commercial marina. Barry Miller, Owner. Available on-site are 60 seasonal slips/moorings, electricity, water, repair, solid waste containers, restroom (see Section B), dump station and sewage holding tank pump out facilities. Note: This marina houses aqua lodges (floating cottages). Facility No. 517.

7. Location: 97 Marina Dr., Deltaville 23043. Norton's Marina, P.O. Box 100, Deltaville 23043. Commercial marina. Ken, Schmalenberger, Manager. Available on-site are 42 seasonal slips/moorings, fuel, electricity, water, repair, solid waste containers, restroom, and sewage holding tank pump out facilities. Facility No. 582.
9. Location: 970 Timberneck Rd. Deltaville 23043. Timberneck Marina, P.O. Box 740, Deltaville 23043. Commercial marina. Billy Norton, Manager. No Contact. Available on-site are 35 seasonal slips/moorings, electricity, water, repair, solid waste containers, and restroom facilities. Facility No. 620.
10. Location: 926 Timberneck Rd, Deltaville 23043. Broad Creek Marina, Box 577, Deltaville 23043. Commercial marina. Jeff J. Bliemel, Manager. No Contact. Available on-site are 20 seasonal slips/moorings, electricity, water, solid waste containers, restroom, dump station and sewage holding tank pump out facilities. Facility No. 522.
11. Location: 141 Hamble Lane, Deltaville 23043. Walter's Marina, 137 Hamble Lane, Deltaville 23043. Commercial marina/Bed and Breakfast. Donald Walter, Owner. Available on-site are 12 seasonal slips/moorings, electricity, water, solid waste containers, restroom, and dump station facilities. Facility No. 591.
18. Location: 170 Greens Cove Rd., Deltaville 23043. Chesapeake Cove Marina, P.O. Box 369, Deltaville 23043. Commercial marina. Rob Reiner, Manager. Available on-site 37 seasonal slips/moorings, fuel, electricity, water, repair, solid waste containers, restroom, dump station and sewage holding tank pump out facilities. Facility No. 528.
19. Location: 161 Dockside Dr., Deltaville 23043. J & M Marina, P.O. Box 9, Deltaville 23043. Commercial marina. John Crown, Manager. Available on-site 50 seasonal slips/moorings, 17 dry storage spaces, ramp, electricity, water, solid waste containers, and restroom facilities. Facility No. 554.
20. Location: 160 Dockside Dr., Deltaville 23043. Coastal Marine, Inc., P.O. Box 964, 12 seasonal slips/moorings, electricity, water, repair, solid waste containers, and restroom facilities. Facility No. 535.
21. Location: 18355 Gen Puller Highway, Deltaville 23043. Deltaville Yachting Center, P.O. Box 388, Deltaville 23043. Commercial marina. L. D. Grimm, Manager. Available on-site 80 seasonal slips/moorings, 4 transient slips / moorings, 190 dry storage spaces, fuel, electricity, water, repair, solid waste containers, restroom, dump station, and sewage holding tank pump out facilities. Facility No. 554.
22. Location: 18691 Gen Puller Highway, Deltaville 23043. Norview Marina, P. O. Box 219, Deltaville 23043. Commercial marina. Doug Respress, Manager. Available on-site are 110 seasonal slips/moorings, 188 dry storage spaces, fuel, ramp, electricity, water, repair, solid waste containers, restroom, and sewage holding tank pump out facilities. Facility No. 531.



23. Location: 137 Neptune Lane, Deltaville 23043. Regatta Point Yacht Club, P. O. Box 1188, Deltaville 23043. Commercial marina. J. C. Doozier, Manager. Available on-site are 80 seasonal slips/moorings, electricity, water, solid waste containers, restroom, dump station, and sewage holding tank pump out facilities. Facility No. 542.
25. Location: 19167 Gen Puller Highway, Deltaville 23043. Stingray Point Marina, P.O. Box 527, Deltaville 23043. Commercial Marina. Jim Rogers, Manager. Available on-site are 178 seasonal slips/moorings, electricity, water, solid waste containers, restroom, dump station, and sewage holding tank pump out facilities. Facility No. 609.
43. Location: 499 Jackson Creek Rd., Deltaville 23043. Harbour House, P.O. Box 1096, Deltaville 23043. Private marina. Marvin Tiller, Manager. Available on-site are 22 seasonal slips/moorings, ramp, electricity, water, solid waste containers, restroom and sewage holding tank pump out facilities. Facility No. 549.
44. Location: 237 Oyster Shell Rd., Deltaville 23043. Jackson Creek Harbour Condominium, 1100 Horsepen Rd., Richmond 23229. Private marina. Geoffrey Cahill, Manager. No Contact. Available on-site are 36 seasonal slips/moorings, electricity, water, and restroom facilities. Facility No. 557.
45. Location: 274 Bucksview Lane, Deltaville 23043. Deltaville Marina, P.O. Box 497, Deltaville 23043. Commercial Marina. Keith Ruse, Manager. Available on-site are 79 seasonal slips/moorings, 10 transient slips/moorings, fuel, electricity, water, repair, solid waste containers, restroom, dump station, and sewage holding tank pump out facilities. Facility No. 533.
58. Location: 256 Kennardstown Rd., Deltaville 23043. Powell's Marina, 4801 Russell Ave. Hyattsville, Md. 20782. Commercial Marina. Leonard Powell, Manager. No Contact. Available on-site are 43 seasonal slips/moorings, fuel, electricity, water, solid waste containers, restroom, dump station and sewage holding tank pump out facilities. Facility No. 605.
59. Location: 78 Summerlynn Rd. Deltaville 23043. Fitzgerald Boat Basin, P.O. Box 766, Deltaville 23043. Commercial Marina. J. Fitzgerald, Manager. No Contact. Available on-site are electricity, water, restroom, dump station, and sewage holding tank pump out facilities. Facility No. 559.
61. Location: 57 Snug Harbor, Deltaville 23043. Little Snug Harbor, 1102 Fishing Bay Rd., Deltaville 23043. Commercial Marina. Gene Ruark, Manager. No Contact. Available on-site are 27 seasonal slips/moorings, electricity, water, and restroom facilities. Facility No. 568.
65. Location: 1525 Fishing Bay Rd. Deltaville 23043. Fishing Bay Yacht Club, P. O. Box 920, Deltaville 23043. Private Marina. Dixon Cole, Manager. No Contact. Available on-site are ramp, electricity, water, solid waste containers, restroom, dump station, and sewage holding tank pump out facilities. Facility No. 546.

### **OTHER PLACES WHERE BOATS ARE MOORED**

5. Location: end of route 689, Deltaville 23043. Batley's Seafood, P.O. Box 431, Deltaville 23043. Gordon Batley, Manager. Private dock. Available on-site is electrical service. Facility No. 1437.
6. Location: 85 Perry Lane, Deltaville 23043. Private dock. % Stephen Smith. No Contact. Available on-site was electricity and restroom facilities at the residence. Facility No. 1478.
31. Location: 503 Cross Rip Road, Deltaville 23043. Cross Rip, Ltd. Campground, P.O. Box 362 Deltaville 23043. Martha Stokes, Owner. Available on-site are water, solid waste containers, restroom and dump station facilities. Facility No. 538.
41. Location: on Tranquility Lane, Deltaville 23043. Mill Creek Harbor Association, 12 Iris Lane, Richmond 23226. Community Marina. Bill Will, Manager. No Contact. Available on-site are 8 seasonal slips/moorings, electricity, and water. Facility No. 576.
47. Location: 184 Gull Cove Lane, Deltaville 23043. Private dock. % Walter Harrow. No Contact. Available on-site are electricity, water, solid waste containers, restroom, and dump station facilities. Facility No. 1485.
51. Location: end of route 1101, Deltaville 23043. Public dock. Commonwealth of Virginia. No Contact. Available on-site are 4 transient slips/moorings. Facility No. 1442.
57. Location: 52 Netties Lane, Deltaville 23043. Private property with an easement for residents in community to use docks. No Contact. Available on-site are ramp, electricity, water, and solid waste containers.
60. Location: 61 Snug Harbor, Deltaville 23043. % Thomas Ruark. Private dock No Contact. Available on-site are 10 seasonal slips/moorings, electricity, water, and use of restrooms located adjacent to property and located at 57 Snug Harbor. Facility No. 614.

### **UNDER SURVEILLANCE**

2. Location: end of route 636, Timberneck Road, Deltaville 23043. Middlesex County Dock Broad Creek. Phil Gay, Manager. No Contact. Available on-site are 2 transient slips/moorings. Facility No. 1458.
17. Location: 205 Greens Cove Rd., Deltaville 23043. % James Kennedy. Private dock. Available are 5 seasonal slips/moorings, electricity, water, solid waste containers, and restroom facilities. Facility No. 560.

24. Location: 19047 Gen. Puller Highway, Deltaville 23043. Schroeder Yacht Systems, P.O. Box 1090, Deltaville 23043. Jeff Schroeder, Manager. Available on-site are 180 dry storage spaces, ramp, electricity, water, repair, solid waste containers, 1 Port-a-john, and the use of restroom facilities located at Stingray Point Marina which is adjacent to this property. (Note: This property is rented from Stingray Point Marina.)
49. Location: 515 Lovers Lane, Deltaville 23043. Private dock. Harrow's Fishing Charters. Accommodates private fishing parties.

#### **SECTION E: CONTRIBUTES ANIMAL POLLUTION**

1. Location: 558 Horseshoe Bend Rd., Deltaville 23043. Dwelling – 1 story light green siding with dark green shutters and light gray shingles. No Contact. Chickens and geese were heard in rear of property. Unable to access for survey.

## SUMMARY

### AREA # 033 BROAD AND JACKSON CREEKS 22 AUGUST 2006

#### SECTION B: SEWAGE POLLUTION SOURCES

##### 1. SEWAGE TREATMENT FACILITIES

1 – DIRECT – 4

0 – INDIRECT- None

1 – B.1.TOTAL

##### 2. ON-SITE SEWAGE DEFICIENCIES-Correction of deficiencies in this section is the responsibility of the local health department.

3 – CONTRIBUTES POLLUTION, DIRECT - # 9, 58, 67

8 - CONTRIBUTES POLLUTION, INDIRECT - # 8, 34, 35, 36, 38, 56, 63, 64

0 – CP – (Kitchen or Laundry Wastes), DIRECT – None

4 - CP – (Kitchen or Laundry Wastes), INDIRECT - # 27, 53, 54, 55

1 – NO FACILITIES, DIRECT - # 66

0 – NO FACILITIES, INDIRECT – None

16 – B.2. TOTAL

##### 3. POTENTIAL POLLUTION

Periodic surveillance of these properties will be maintained to determine any status change.

20 – POTENTIAL POLLUTION - # 12, 16, 26, 28, 29, 30, 32, 33, 37, 39, 40, 42, 46, 48, 50, 52, 60, 61, 62, 68

#### SECTION C: NON-SEWAGE WASTE SITES

##### 1. INDUSTRIAL WASTE SITES

2 – DIRECT - # 3, 21

5 – INDIRECT - # 7, 13, 15, 22, 45

7 – C.1. TOTAL

##### 2. SOLID WASTE SITES

0 – DIRECT – None

2 – INDIRECT - # 14, 15

2 – C.2. TOTAL

#### SECTION D: BOATING ACTIVITY

20 – MARINAS- # 3, 4, 7, 9, 10, 11, 18, 19, 20, 21, 22, 23, 25, 43, 44, 45, 58, 59, 61, 65

8 – OTHER PLACES WHERE BOATS ARE MOORED - # 5, 6, 31, 41, 47, 51, 57, 60

4 – UNDER SURVEILLANCE - # 2, 17, 24, 49

32 – D. TOTAL

#### SECTION E: CONTRIBUTES ANIMAL POLLUTION

0 - DIRECT -None

1– INDIRECT - # 1

1– E. TOTAL



Virginia Department of Health  
Division of Shellfish Sanitation

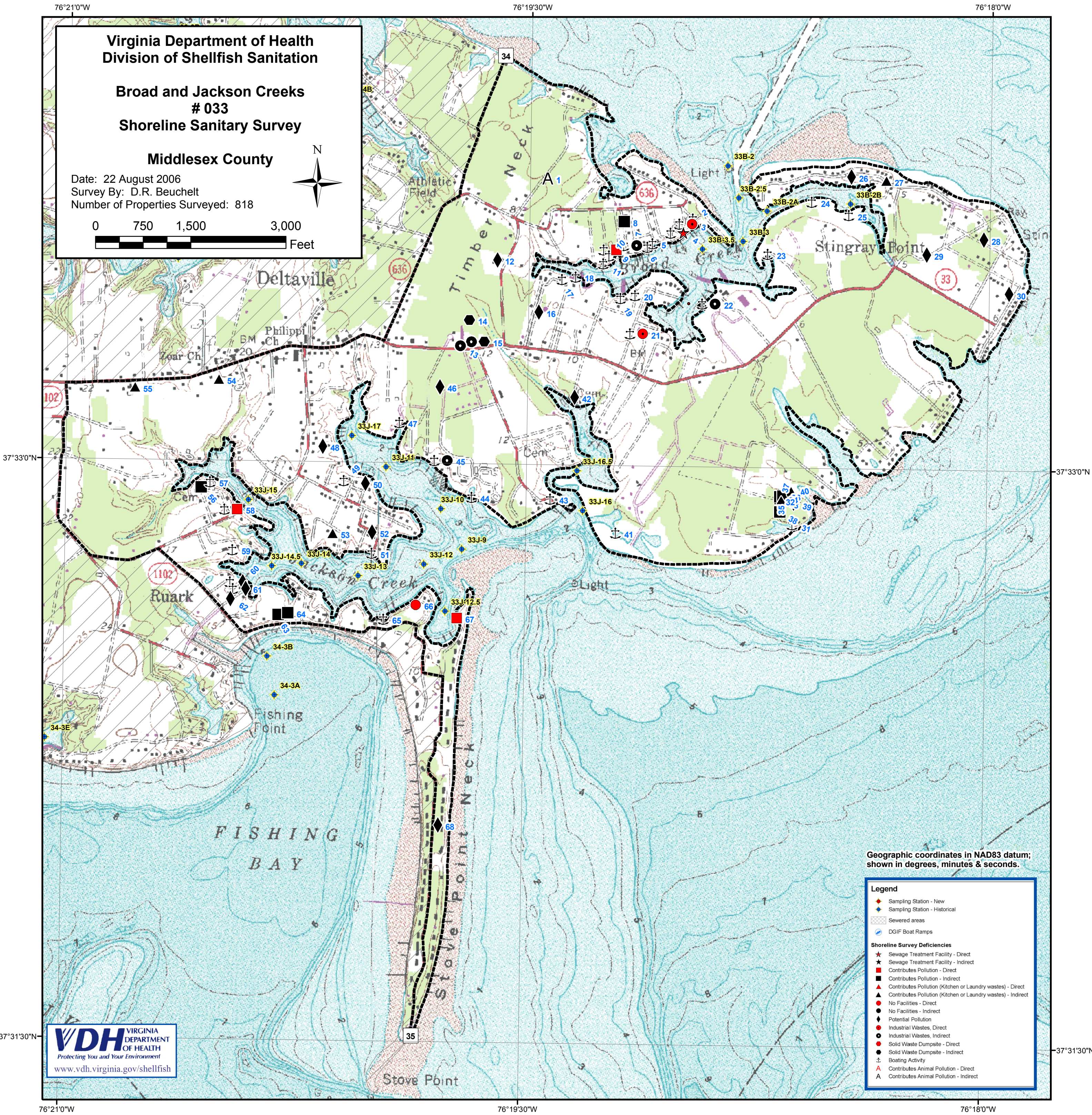
Broad and Jackson Creeks  
# 033  
Shoreline Sanitary Survey

Middlesex County

Date: 22 August 2006  
Survey By: D.R. Beuchelt  
Number of Properties Surveyed: 818



0 750 1,500 3,000  
Feet



Geographic coordinates in NAD83 datum;  
shown in degrees, minutes & seconds.

Legend

- Sampling Station - New
- Sampling Station - Historical
- Sewered areas
- DGIF Boat Ramps
- Shoreline Survey Deficiencies
  - Sewage Treatment Facility - Direct
  - Sewage Treatment Facility - Indirect
  - Contributes Pollution - Direct
  - Contributes Pollution - Indirect
  - Contributes Pollution (Kitchen or Laundry wastes) - Direct
  - Contributes Pollution (Kitchen or Laundry wastes) - Indirect
  - No Facilities - Direct
  - No Facilities - Indirect
  - Potential Pollution
  - Industrial Wastes, Direct
  - Industrial Wastes, Indirect
  - Solid Waste Dumpsite - Direct
  - Solid Waste Dumpsite - Indirect
  - Boating Activity
  - Contributes Animal Pollution - Direct
  - Contributes Animal Pollution - Indirect